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WASHINGTON, D.C.

## FACSIMILE TRANSMISSION

DATE: January 28, 2004 NUMBER OF PAGES (including coversheet): 39TO: Attn: Ms. Doshie Day, OIPE, U.S. Patent and Trademark OfficeFAX NUMBER: (703) 305-9822 CONFIRMATION NUMBER: (703)308-3640

TO: \_\_\_\_\_

FAX NUMBER: \_\_\_\_\_ CONFIRMATION NUMBER: \_\_\_\_\_

TO: \_\_\_\_\_

FAX NUMBER: \_\_\_\_\_ CONFIRMATION NUMBER: \_\_\_\_\_

FROM: William P. SmithTELEPHONE NUMBER: (412) 355-2600ORIGINAL TO BE MAILED ☐ YES ☒ NOADDITIONAL COMMENTS: Ms. Day:

*Attached please find the Petition to Withdraw Holding of Abandonment and attachments, RE: Application No. 10/067,959, pursuant to our telephone conversation this morning. Kindly confirm that you have received this and advise whether you require any further information from me.*

*Regards,**William P. Smith**Reg. No. 34,931*

**If you experience any problems with the receipt of this fax, please call 412.355.2963**

The information contained in this facsimile message is attorney privileged and confidential information intended only for the use of the individual or entity named above. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution or copy of this communication is strictly prohibited. If you have received this communication in error, please immediately notify us by telephone and return the original message to us at the address below via the U.S. Postal Service. We will remit postage from the return of any such communications, Thank you.

CLIENT NAME: Threewide.com, Inc.MATTER NAME: Gen (Patent)CLIENT CODE: 006612MATTER CODE: 0001

Practitioner's Docket No. THREEWL/P001A1

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Wise, Mark; Miller, James B.

Application No.: 10/067,959

Group No.: 2171

Filed: 02/05/2002

Examiner: Not Yet Assigned

For: Method, System and Apparatus for Creating and Accessing a  
Hierarchical Database in a Format Optimally Suited to Real Estate

Commissioner for Patents  
Washington, D.C. 20231  
ATTENTION: Ms. Doshie Day  
OIPE  
VIA Facsimile to: 703-305-9822

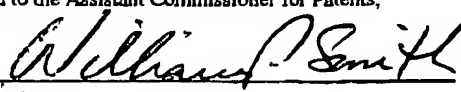
## PETITION TO WITHDRAW HOLDING OF ABANDONMENT

1. Applicant requests that the abandonment in this case be withdrawn. This information is being submitted promptly after applicant has learned of the abandonment, on the basis of the Notice of Abandonment mailed on January 26, 2004.
2. Submitted herewith are the following:
  - a. A copy of the Notice of Abandonment under 37 C.F.R. 1.53(f) or (g);
  - b. A copy of the page of the response mailed on March 26, 2002, showing a Certificate of Mailing executed on March 26, 2002;
  - c. A copy of the post card identifying the papers filed and showing the U.S.P.T.O. receipt stamp dated April 2, 2002; and
  - d. A copy of the complete response previously filed.

~~(P01A1174-1)~~

## CERTIFICATION UNDER 37 C.F.R. § 1.8(a)

I hereby certify that, on the date shown below, this correspondence is being

☒ transmitted via facsimile to: (703) 305-9822 or;☐ deposited with the United States Postal Service in an envelope addressed to the Assistant Commissioner for Patents, Washington D.C. 20231 with sufficient postage as first class mail.Date: January 28, 2004  
Signature

William P. Smith  
(type or print name of person certifying)

3. Applicant points out that the original response, while timely filed, erroneously indicated the Application Serial No. as 10/068,959, instead of the correct number, 10/067,959, which most likely explains why the papers were not placed in the file. The remaining identifying indicia for the application were correctly indicated, e.g., the inventor, filing date, title and Group Art Unit.
4. Kindly proceed with examination of this application on the basis of the original papers that were filed, or, the attached copy of the papers originally filed.
5. Acknowledgement of the active status of this application is respectfully requested.
6. Charge any fees required by this paper or credit any overpayment to Deposit Account No. 500287.

Date: 28-January-2004

William P. Smith

William P. Smith  
Registration No. 34,931  
DKW Law Group, PC  
58th Floor, USX Tower  
600 Grant Street  
Pittsburgh, PA 15219  
412-355-2600  
Customer No. 29914

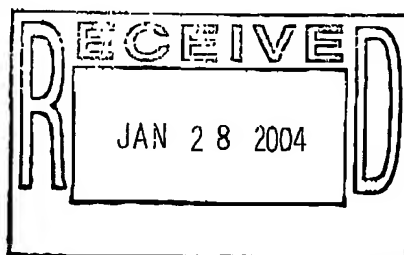


## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY DOCKET NO./TITLE
10/067,959	02/05/2002	Mark Wise	THREEWI/P001A1

29914  
 DKW LAW GROUP, P.C.  
 58TH FLOOR - USX TOWER  
 600 GRANT STREET  
 PITTSBURGH, PA 15219



CONFIRMATION NO. 7927  
 ABANDONMENT/TERMINATION  
 LETTER



\*OC000000011765085\*

Date Mailed: 01/26/2004

## NOTICE OF ABANDONMENT UNDER 37 CFR 1.53 (f) OR (g)

The above-identified application is abandoned for failure to timely or properly reply to the Notice to File Missing Parts (Notice) mailed on 03/06/2002.

- No reply was received.

A petition to the Commissioner under 37 CFR 1.137 may be filed requesting that the application be revived.

Under 37 CFR 1.137(a), a petition requesting the application be revived on the grounds of **UNAVOIDABLE DELAY** must be filed promptly after the applicant becomes aware of the abandonment and such petition must be accompanied by: (1) an adequate showing of the cause of unavoidable delay; (2) the required reply to the above-identified Notice; (3) the petition fee set forth in 37 CFR 1.17(l); and (4) a terminal disclaimer if required by 37 CFR 1.137(d).

Under 37 CFR 1.137(b), a petition requesting the application be revived on the grounds of **UNINTENTIONAL DELAY** must be filed promptly after applicant becomes aware of the abandonment and such petition must be accompanied by: (1) a statement that the entire delay was unintentional; (2) the required reply to the above-identified Notice; (3) the petition fee set forth in 37 CFR 1.17(m); and (4) a terminal disclaimer if required by 37 CFR 1.137(d).

Any questions concerning petitions to revive should be directed to the "Office of Petitions" at (703) 305-9282. Petitions should be mailed to: Mail Stop Petitions, Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450.

*A copy of this notice **MUST** be returned with the reply.*

*1 Stokes*

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

FOR:

RESPONSE TO NOTICE TO FILE CORRECTED APPLICATION PAPERS

SERIAL NO.: 10/068,959

FILED: February 5, 2002

APPLICATION ENTITLED "METHOD, SYSTEM AND APPARATUS FOR CREATING AND ACCESSING A  
HIERARCHICAL DATABASE IN A FORMAT OPTIMALLY SUITED TO REAL ESTATE"

APPLICANT: Threewide.com, Inc.

ATTY'S FILE NO.: THREW1/P001A1

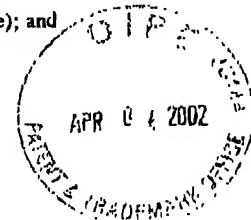
TRANSMITTAL TYPE: RESPONSE TO FILE CORRECTED APPLICATION PAPERS

TRANSMITTAL DATED: March 26, 2002

TRANSMITTED BY: U.S. Post Office "First Class Mail Post"

[The stamp of the U.S. Patent and Trademark Office herein will be taken  
as acknowledging the receipt on the date stamped of the following:]

1. Response to Notice to File Corrected Application Papers (2 pages in triplicate); and
2. Thirty (30) sheets of drawings.



Practitioner's Docket No. THREEWI/P001A1

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Wise, Mark; Miller, James B.

Application No.: 10/068,959

Group No.: 2171

Filed: 02/05/2002

Examiner: Not Yet Assigned

For: Method, System and Apparatus for Creating and Accessing a Hierarchical Database in a Format Optimally Suited to Real Estate

Commissioner for Patents

Washington, D.C. 20231

ATTENTION: Application Division

RESPONSE TO NOTICE TO FILE CORRECTED APPLICATION PAPERS

I. This replies to the NOTICE TO FILE CORRECTED APPLICATION PAPERS mailed March 6, 2002.

A copy of the NOTICE TO FILE CORRECTED APPLICATION PAPERS is enclosed.

COMPLETION OF FORMALITIES

II. To complete the formalities noted on the NOTICE TO FILE CORRECTED APPLICATION PAPERS, applicants submit herewith:

An entire set of drawings including substitute drawing Figures 3A and 3B, complying with 37 CFR § 1.84(u)(1). These figures are labeled "Figure" with consecutive Arabic numerals with capital letters in the English alphabet.

Since the notice did not specify which of the figures was not labeled in accordance with 37 CFR § 1.84, applicants have taken the liberty of including an entire set so as to avoid confusion. The original set of figures was filed in sequence, with the unnumbered figure (new Figure 3A) placed between Figure 2F and Figure 3B. Also, because Figure 3B, while numbered, may have been mistaken for a part of the drawing, the Figure 3B designation has been amended to more clearly identify the figure. No new matter has been added to the drawings.

CERTIFICATION UNDER 37 C.F.R. §§ 1.8(a)

I hereby certify that, on the date shown below, this correspondence is being deposited with the United States Postal Service in an envelope addressed to the Assistant Commissioner for Patents, Washington D.C. 20231 with sufficient postage as first class mail

Date: March 26, 2002

  
Signature

William P. Smith

(type or print name of person certifying)

Practitioner's Docket No. THREEWI/P001A1

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Wise, Mark; Miller, James B.

Application No.: 10/068,959

Group No.: 2171

Filed: 02/05/2002

Examiner: Not Yet Assigned

For: Method, System and Apparatus for Creating and Accessing a Hierarchical Database in a Format Optimally Suited to Real Estate

Commissioner for Patents

Washington, D.C. 20231

ATTENTION: Application Division

**RESPONSE TO NOTICE TO FILE CORRECTED APPLICATION PAPERS**

I. This replies to the NOTICE TO FILE CORRECTED APPLICATION PAPERS mailed March 6, 2002.

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**CERTIFICATION UNDER 37 C.F.R. §§ 1.8(a)**

I hereby certify that, on the date shown below, this correspondence is being deposited with the United States Postal Service in an envelope addressed to the Assistant Commissioner for Patents, Washington D.C. 20231 with sufficient postage as first class mail.

Date: March 26, 2002

  
Signature

William P. Smith

(type or print name of person certifying)

Response to Notice of Informal Application--page 1 of 2

**EXTENSION OF TIME**

III. Applicant believes that no extension of term is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition and fee for extension of time.

**FEE PAYMENT**

IV. Charge any additional fees required by this paper or credit any overpayment to Deposit Account No. 500287.

A duplicate of this paper is attached.

Date:

March 26, 2002

William P. Smith

William P. Smith  
Registration No. 34,931  
DKW Law Group, PC  
58th Floor, USX Tower  
600 Grant Street  
Pittsburgh, PA 15219  
412-355-2600  
Customer No. 29914





## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/067,959	02/05/2002	Mark Wise	THREEWI/P001A1

CONFIRMATION NO. 7927

## FORMALITIES LETTER



29914  
DKW LAW GROUP, P.C.  
58TH FLOOR - USX TOWER  
600 GRANT STREET  
PITTSBURGH, PA 15219

Date Mailed: 03/06/2002

## NOTICE TO FILE CORRECTED APPLICATION PAPERS

*Filing Date Granted*

This application has been accorded an Application Number and Filing Date. The application, however, is informal since it does not comply with the regulations for the reason(s) indicated below. Applicant is given **TWO MONTHS** from the date of this Notice within which to correct the informalities indicated below. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a)

The required item(s) identified below must be timely submitted to avoid abandonment:

- Substitute drawings in compliance with 37 CFR 1.84 because:
  - more than one figure is present and each figure is not labeled "Fig." with a consecutive Arabic numeral (1, 2, etc.) or an Arabic numeral and capital letter in the English alphabet (A, B, etc.)(see 37 CFR 1.84(u)(1));

*A copy of this notice **MUST** be returned with the reply.*

Customer Service Center  
Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

Wise, et.al.

Method, System and Apparatus . . . Real Estate  
Attorney Docket No. THREWI/P001A1Metropolitan Regional Information Systems, Inc.  
GENERAL

## Residential Profile Sheet

Items in BOLD BOXES are REQUIRED.

## CLASSIFICATION

<b>Sale/Rental</b> <input type="checkbox"/> Sale <input type="checkbox"/> Rental	<b>Ownership Type</b> <input type="checkbox"/> Fee Simple <input type="checkbox"/> Condo <input type="checkbox"/> Coop	<b>Listing Type</b> <input type="checkbox"/> Ground Rent <input type="checkbox"/> Rental Apartment <input type="checkbox"/> Modified / Exp	<b>New Construction</b> <input type="checkbox"/> Water Oriented <input type="checkbox"/> Farm	<b>Yes</b> <input type="checkbox"/> Yes <input type="checkbox"/> No	<b>No</b> <input type="checkbox"/> Yes <input type="checkbox"/> No	<b>MLS #</b>
<b>Listing Date</b>						
<b>Expiration Date</b>						
<b>Listing/Rent Price</b>	<b>Agent ID</b>	<b>Agent Last Name</b>	<b>Alt Agent ID</b>	<b>Alt Agent Last Name</b>		

## PROPERTY DESCRIPTION

<b>County</b>	<b>Tax ID #</b>	<b>Zoning Code</b>	<b>Master Plan Zoning</b>	
<b>Unit # (Condo/Comp)</b>	<b>House #</b>	<b>St # Suffix</b>	<b>Street Name</b>	<b>Street Type</b>
<b>Incorporated City / Town</b>		<b>Size</b>	<b>Area</b>	<b>Street Direction</b> <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W <input type="checkbox"/> NE <input type="checkbox"/> SE <input type="checkbox"/> SW <input type="checkbox"/> NW
<b>Postal City</b>	<b>Legal / Recorded Subdivision</b>		<b>Zip Code</b>	
<b>Original Builder Name (if known)</b>	<b>Advised Subdivision / Neighborhood</b>		<b>Zip #4</b>	
<b>Section</b>	<b>Phase</b>	<b>Lot</b>	<b>Block / Square</b>	<b>Election District</b>
<b>Tax Map Number</b>	<b>Year Built</b>	<b>Condo / Comp Project Name</b>		<b>Age</b>
<b>Lot Size / Sq. Ft.</b>	<b>Lot Acreage</b>	<b>Lot Length</b>	<b>Lot Width</b>	<b>Lot Depth</b>
<b>Legal Recorded Unit #</b>	<b>Parking - Lot #</b>	<b>Parking - Block/Square</b>	<b>Parking - Space #</b>	<b>Road Frontage</b>
<b>Investor Ratio</b>	<b>Total Units</b>	<b>Building Sites / Lots</b>	<b>Parcel Number</b>	<b>Liber Number</b>
<b>Old Map Coordinates</b>	<b>TBM Map Coordinates</b>	<b>Year Converted</b>	<b>Historic Designation ID</b>	<b>Year Renovated</b>

## SCHOOLS

<b>Elementary School</b>	<b>Middle School</b>	<b>High School</b>
--------------------------	----------------------	--------------------

FLOOR PLAN \*\*\* TOTAL BEDROOMS and TOTAL FULL BATHS are MANDATORY fields. The totals for these are obtained by filling in the detail from the above fields

<b>Model Name</b>	<b>House Width</b>	<b>House Length</b>
<b>Fin Sq. Ft. Abv Grade (Condo only)</b>	<b>Unfin Sq. Ft. Abv Grade</b>	<b>Fin Sq. Ft. Below Grade</b>
<b>Unfin Sq. Ft. Below Grade</b>	<b>Unfin Sq. Ft. Below Grade</b>	<b>Total Fin Sq. Ft.</b>
<b>R-Factor Basement</b>	<b>R-Factor Ceiling</b>	<b>R-Factor Ext Walls</b>
<b># of Fireplaces</b>	<b># of Lavats</b>	
<b># Bdrms Lower2 (L2)</b>	<b># Bdrms Lower1 (L1)</b>	<b># Bdrms Main (M)</b>
<b># Bdrms Upper1 (U1)</b>	<b># Bdrms Upper2 (U2)</b>	
<b># Full Bath Lower2 (L2)</b>	<b># Full Bath Lower1 (L1)</b>	<b># Full Bath Main (M)</b>
<b># Full Bath Upper1 (U1)</b>	<b># Full Bath Upper2 (U2)</b>	
<b># Half Bath Lower2 (L2)</b>	<b># Half Bath Lower1 (L1)</b>	<b># Half Bath Main (M)</b>
<b># Half Bath Upper1 (U1)</b>	<b># Half Bath Upper2 (U2)</b>	

## COMPENSATION

<b>Sub-Agent Compensation</b>	<b>Buyer Agent Compensation</b>	<b>Additional Compensation</b>	<b>Variable Rate Compensation</b>	<b>Yes</b>	<b>No</b>
			<b>Dual Agency</b>	<b>Yes</b>	<b>No</b>
			<b>Designated Representation</b>	<b>Yes</b>	<b>No</b>

(Required in VA)

## PROPERTY MANAGEMENT INFORMATION

<b>Company Name</b>	<b>Management Company Phone</b>
<b>Property Manager's Last Name</b>	<b>First Name</b>
<b>Phone</b>	<b>Fax</b>

## CONSTRUCTION / EXTERIOR LOT

<b>Style: (Check one)</b>	<b>Type: (Check one)</b>	<b>Townhouse Type:</b>
<input type="checkbox"/> A Frame <input type="checkbox"/> Am. Dutch <input type="checkbox"/> Bungalow <input type="checkbox"/> Colonial <input type="checkbox"/> Cape Cod <input type="checkbox"/> Craftsman <input type="checkbox"/> Colonial <input type="checkbox"/> Ranch <input type="checkbox"/> Farm House <input type="checkbox"/> Federal <input type="checkbox"/> International <input type="checkbox"/> Last House <input type="checkbox"/> Prairie School <input type="checkbox"/> Raised 9' center <input type="checkbox"/> Raised Ranch <input type="checkbox"/> Rancher <input type="checkbox"/> Spanish <input type="checkbox"/> Split Foyer <input type="checkbox"/> Split Level <input type="checkbox"/> Tudor <input type="checkbox"/> Victorian <input type="checkbox"/> Other	<input type="checkbox"/> Attached Row House <input type="checkbox"/> Detached <input type="checkbox"/> Detached <input type="checkbox"/> Double Wide <input type="checkbox"/> Duplex <input type="checkbox"/> Ending of Row <input type="checkbox"/> Garden 1st Floor <input type="checkbox"/> Half 1st Floor <input type="checkbox"/> House of Worship <input type="checkbox"/> Multiple 5th Floor <input type="checkbox"/> Mobile <input type="checkbox"/> Multi-Family <input type="checkbox"/> Patio Home <input type="checkbox"/> Penthouse <input type="checkbox"/> Semi-Detached <input type="checkbox"/> Townhouse <input type="checkbox"/> Vacation Home <input type="checkbox"/> Other	<input type="checkbox"/> Detached <input type="checkbox"/> End <input type="checkbox"/> Interior <input type="checkbox"/> Attached <input type="checkbox"/> Playhouse <input type="checkbox"/> Quonset <input type="checkbox"/> Other

FIG. 1A  
(PRIOR ART)

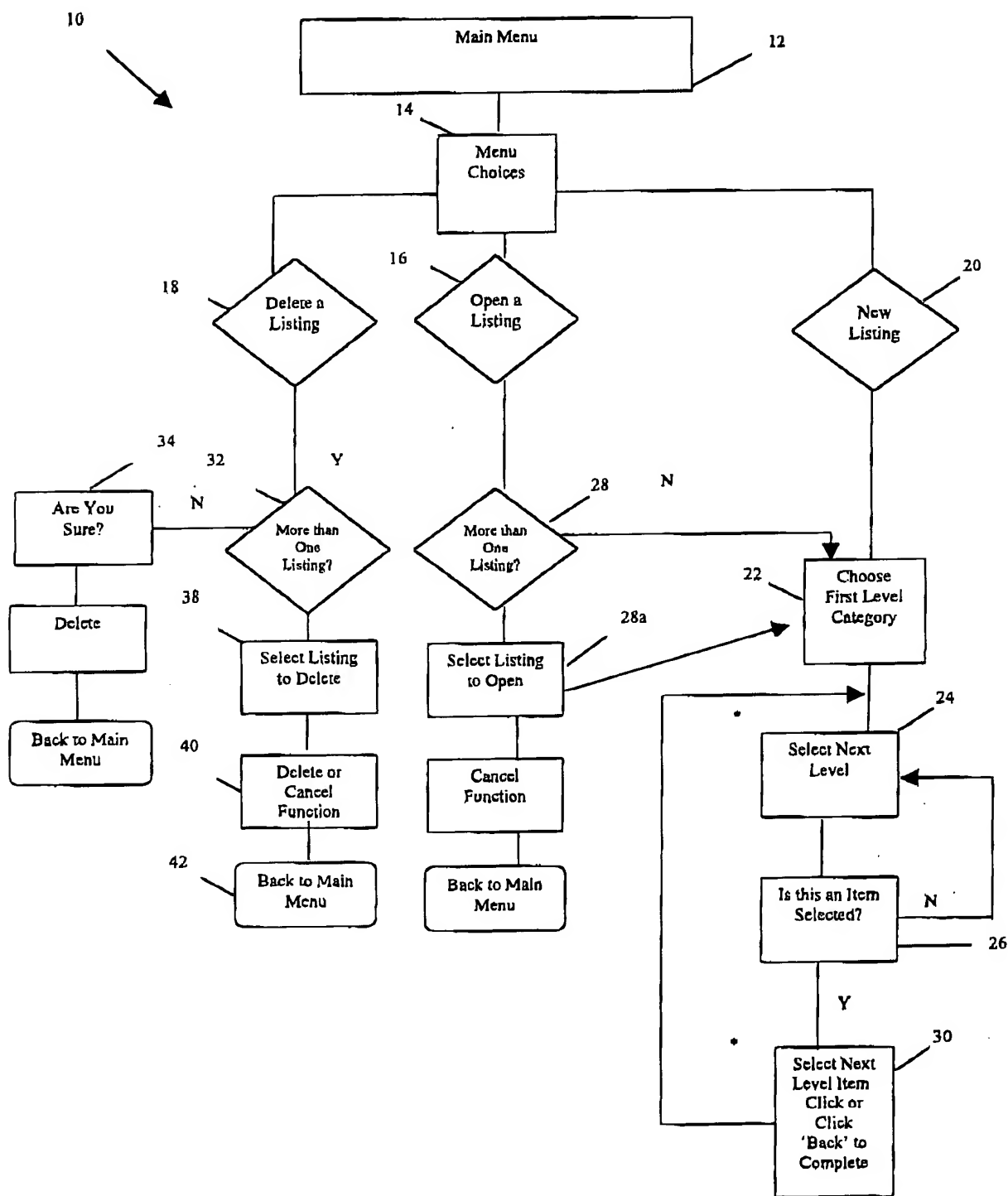
"Method, System and Apparatus . . . Re . . ."  
Attorney Docket No. THREWI/P001A1

### Residential Profile Sheet

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**FIG. 1B**  
(PRIOR ART)

Wise, et al.,  
Method, System and Apparatus ... Real Estate  
Attorney Docket No. THREW/P001A1



\*User's can find items  
from the list and return  
to the main menu via  
link in upper corner

FIG. 2

Wise, et.al.  
thod, System and Apparatus . . . Real Estate'  
Attorney Docket No. THREW/P001A1

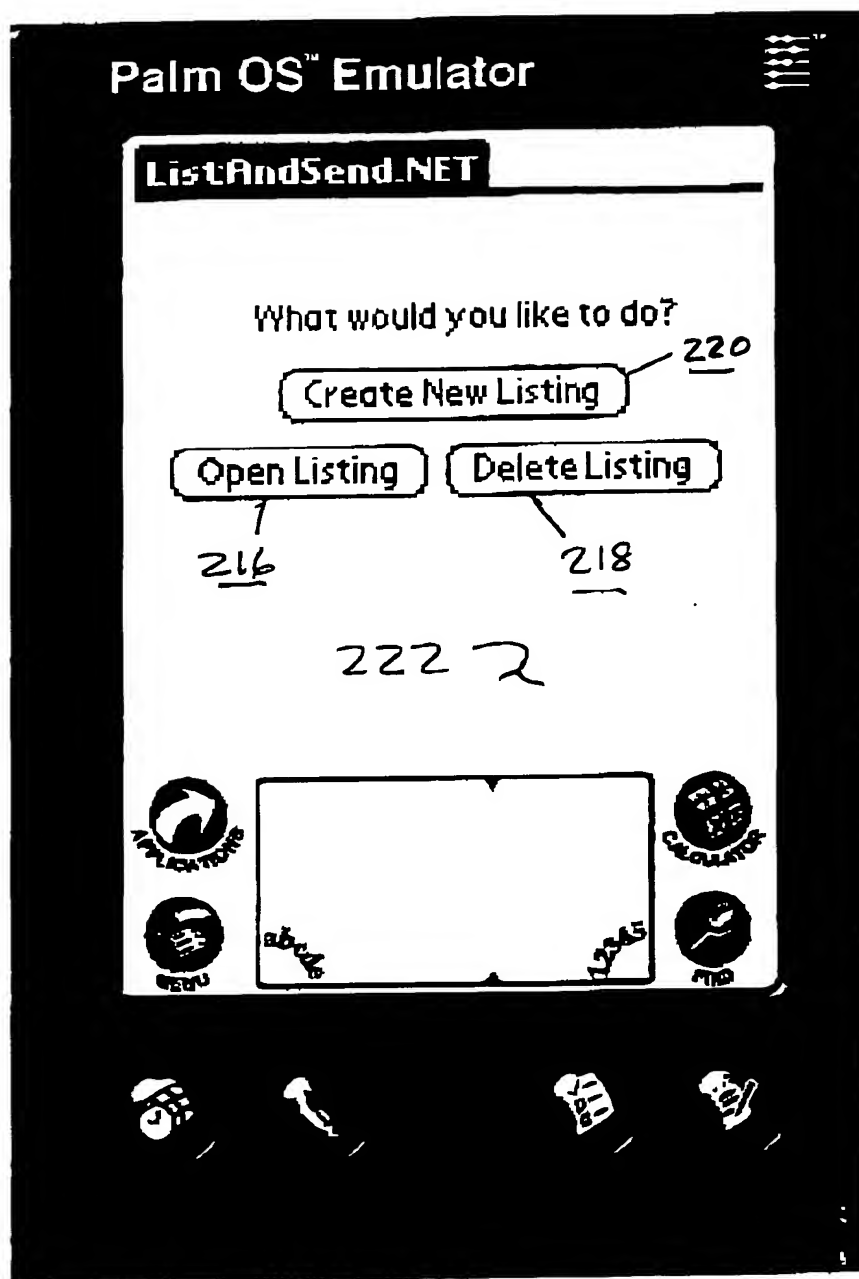


FIG. 2A

Wise, et.al.

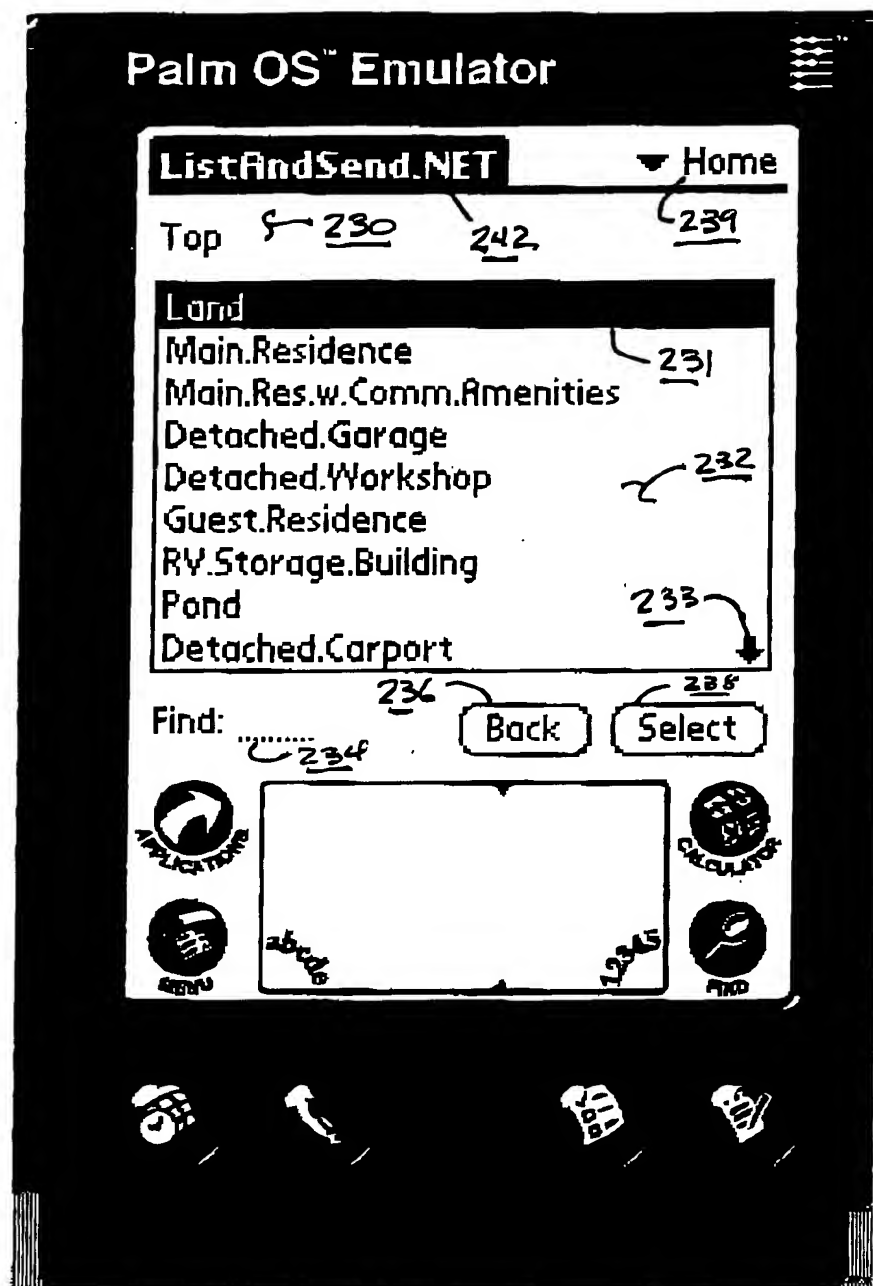
Method, System and Apparatus . . . Real Est.  
Attorney Docket No. THREW/P001A1

FIG. 2B

Wise, et.al.

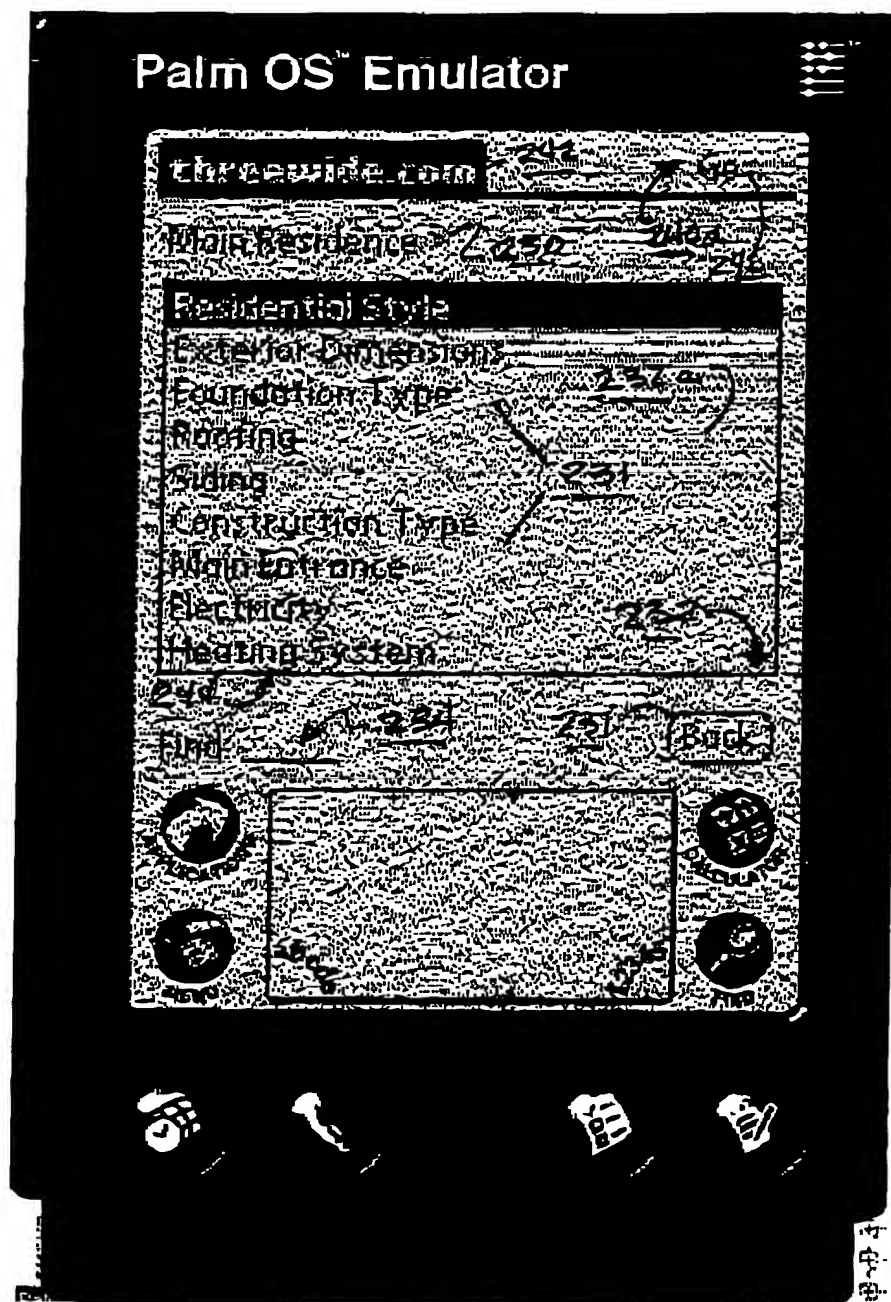
Method, System and Apparatus . . . Real Es  
Attorney Docket No. THREW/P001A1

FIG. 2C

Wise, et.al.

"I. od, System and Apparatus . . . Real Estate"  
Attorney Docket No. THREW/P001A1

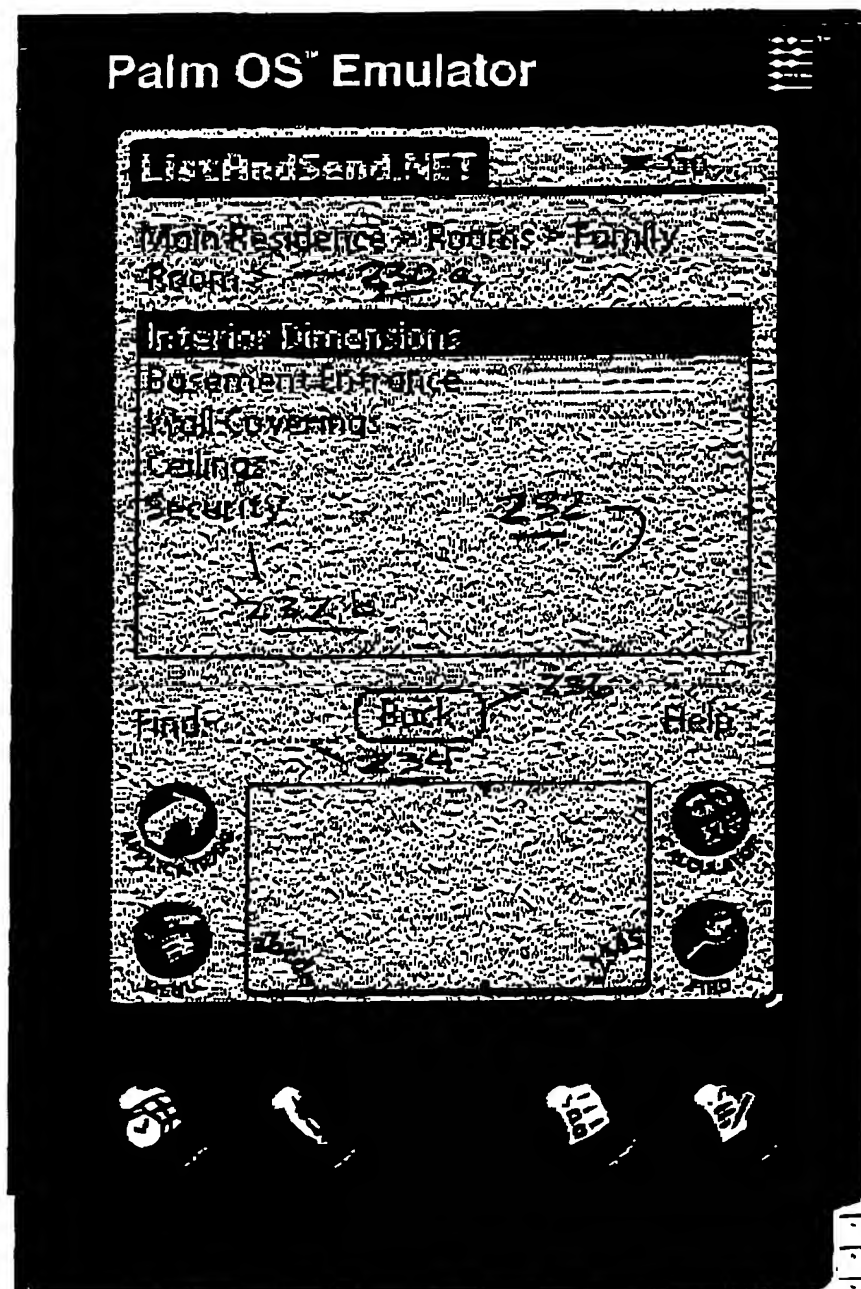


FIG. 2D



Wise, et.al.

"Method, System and Apparatus . . . Real Es.  
Attorney Docket No. THREW/P001A1

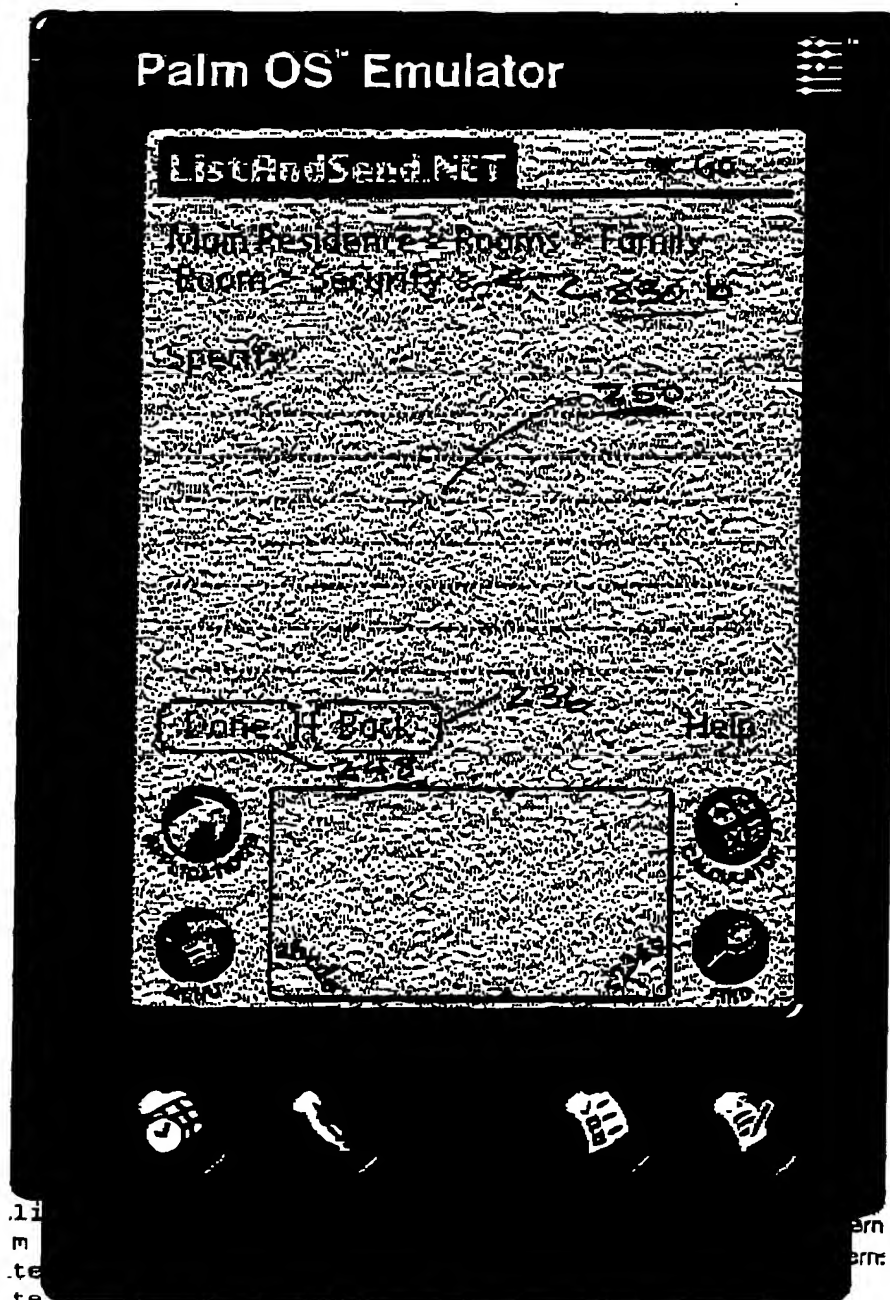


Fig. 2E

Wise, et.al.

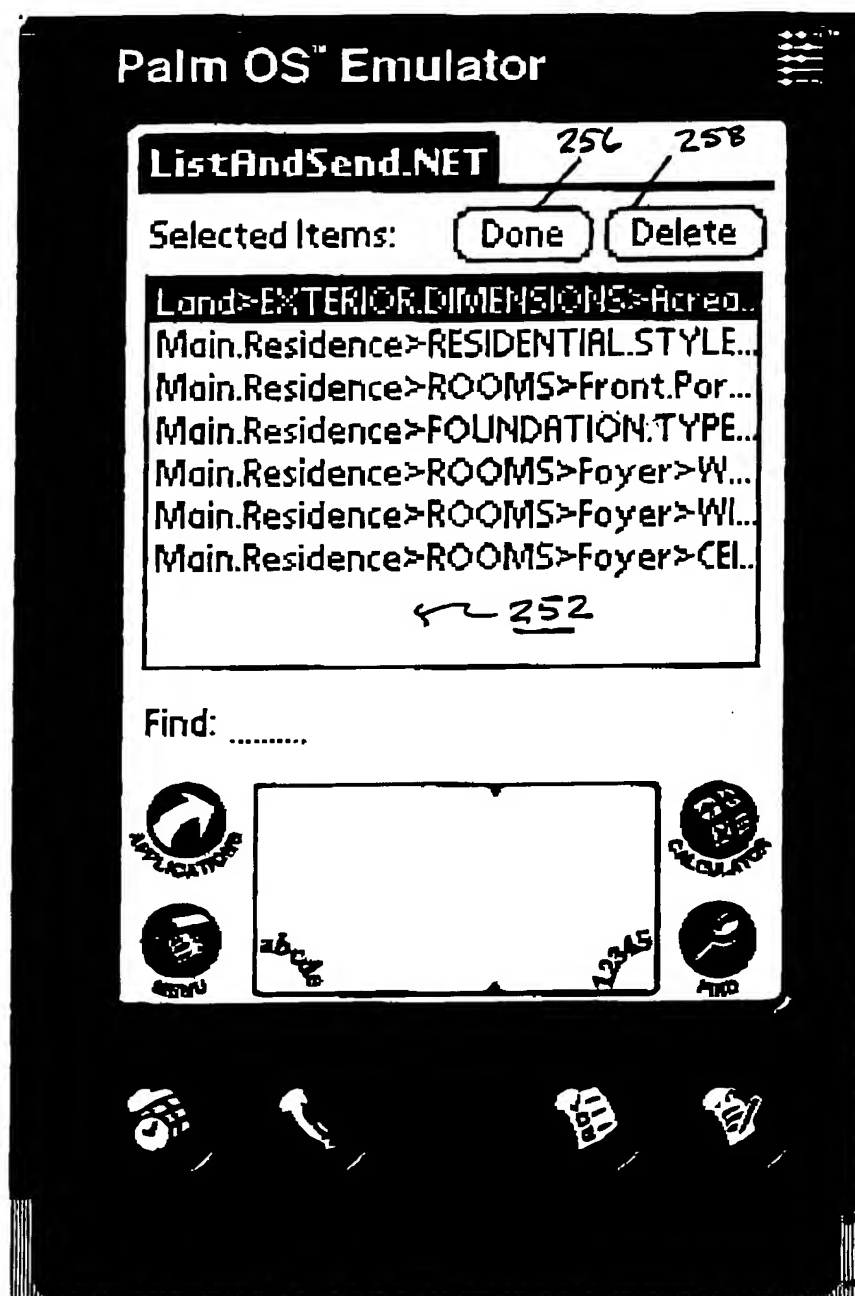
Method, System and Apparatus . . . Real E  
Attorney Docket No. THREW/P001A1

FIG. 2F

Wise, et al.

"Method, System and Apparatus . . . R . . . State"  
Attorney Docket No. THREWI/P001A1

310  
↙

http://beta.ladingscentral.net/describe/app\_setup.cfm?prop\_id=2 - Microsoft Internet Explorer

Utility Property Info List Delete Back Change Property

Logout

Listing Status

Available Property Categories:

Listing Status

County

Directions

Data Sheet

Lock Box Allowed

Showing Alert

Log of Showings

Financial Info

Legal Info Property

Documents

Structures Residential

Sellers Contract Info

Advertising

Back Continue

312

316

318

314

FIGURE 3A

Wise, et.al.  
Method, System and Apparatus . . . Real Estate  
Attorney Docket No. THREWI/P001A1

http://www.istandsend.net/ID: 2541100002  
istandsend.net ID: 2541100002

LISTING STATUS

COUNTY

DIRECTIONS

DATA SHEET

LOCK BOX ALLOWED

SHOWING ALERT

LOG OF SHOWINGS

FINANCIAL INFO

LEGAL INFO PROPERTY

DOCUMENTS

STRUCTURES RESIDENTIAL

SELLER'S CONTRACT INFO

ADVERTISING

312

Available Attributes for: DOCUMENTS 314

Covenants & Restrictions

Conditions

Easements

Plat

Boundary Line Survey

Survey-House Location

Survey-Stake

Survey-Tree

Right-of-Way

Site Plan

< Back | Continue >

/ 318

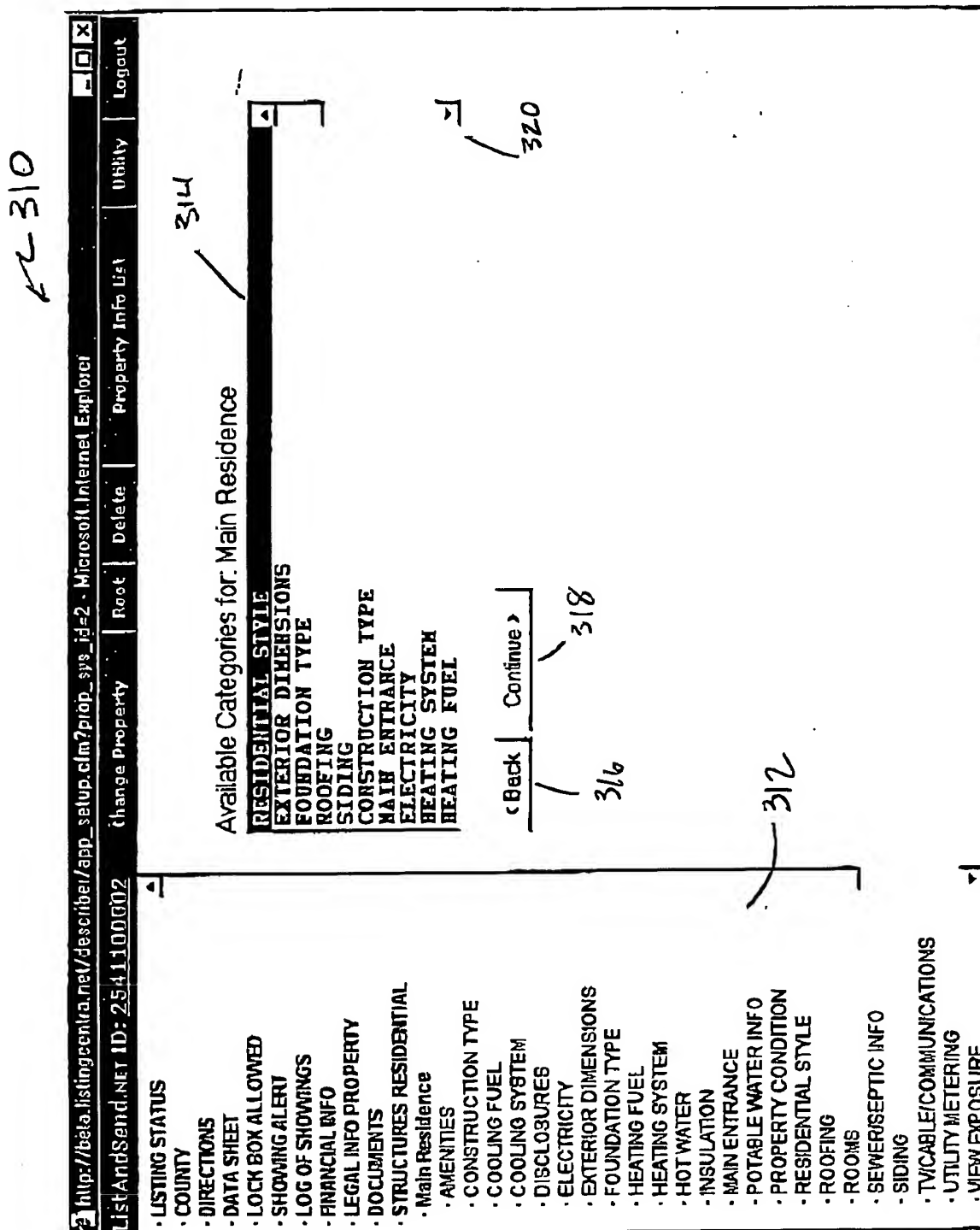
316

FIGURE 3B

Wise, et.al.

Method, System and Apparatus . . . Real Estate  
Attorney Docket No. THREWI/P001A1

Attorney Docket No. THREWI/P001A1



**FIGURE 3C**

Wise, et.al.

"Method, System and Apparatus . . . Rea  
Attorney Docket No. THREW/P001A,

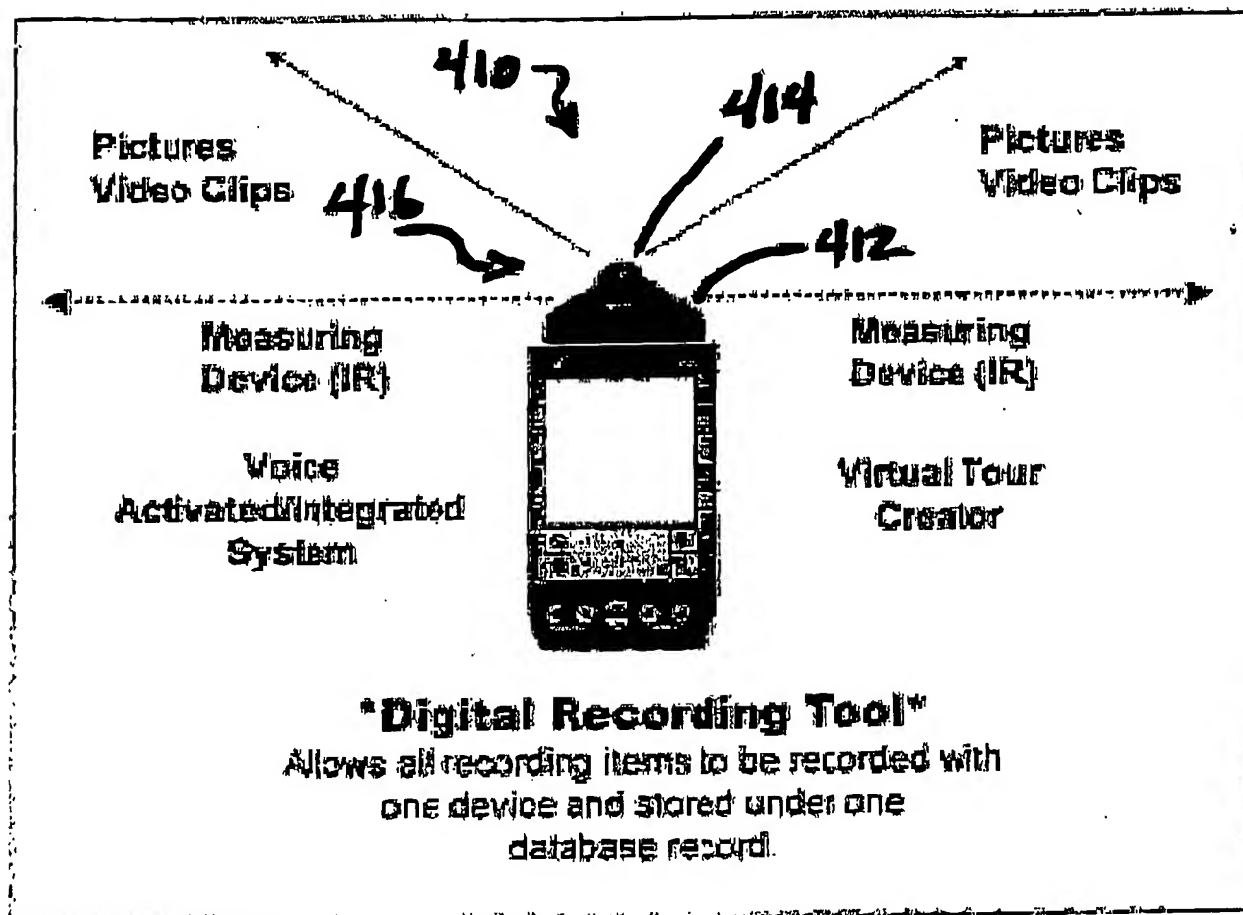


Figure 4

Wise, et.al.  
"Real Estate"  
Attorney Docket No. THREWI/P001A1

522

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File Edit View Go Communicate Help

Back Forward Reload Home Search Netscape Print Security Shop

Backmarks Location: http://www.listandsend.com/english\_exec/show\_listing\_item\_listing\_id=16category\_id=6 What's Related

Instant Messenger Internet Lookno NowA Cool Netcenter

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**Bill Jones** [Property Photographs](#)

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512

Current Category:  [Search](#)

[Property](#) > [Legal Info Property](#)

Please select an item(s) by selecting the appropriate checkbox (or radio button) and then clicking "Add Selected Items". The \* indicates that you must enter in a value for that item.

514

<input type="checkbox"/> Lock Box Allowed	<input type="checkbox"/> Commis Percent *	<input type="checkbox"/> Other *
<input type="checkbox"/> Listing Price *	<input type="checkbox"/> Selling Bonus *	
<input type="checkbox"/> Listing Length *	<input type="checkbox"/> Signage Allowed	
<input type="checkbox"/> Expiration Date *	<input type="checkbox"/> TBM, Coord-MRIS *	

518

516

[Add Selected Items](#)

Items selected for legal info property

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520

FIG. 5A

Wise, et.al.  
 "Wise, et.al. System and Apparatus . . . Real Estate"  
 Attorney Docket No. THREW/P001A1

InternetSearch.net Edit Property Listing - Netscape

File Edit View Go Communications Help

Back Forward Reload Home Search Netscape Print Speedy X-Style

http://www.internetsearch.net/english/.../listing\_top.html?listing\_id=10

Mark Wise Property Photograph

123 First St | Morgantown, WV 26505

Current Category:

Property

Sub-categories at this level:

☐ Listing Status ☐ Financial Info ☐ Sellers Contract Info

☐ County ☐ Legal Info Property

☐ Directions ☐ Structures Residential

All items for this listing

(Delete) Listing Status > Active

(Delete) Directions > Directions \* = From Berkeley County Courthouse

(Delete) Structures Residential > Main Residence > RESIDENTIAL STYLE > Dutch Colonial

(Delete) Structures Residential > Main Residence > EXTERIOR DIMENSIONS > Exter Dimensions \* = 45x45

(Delete) Structures Residential > Main Residence > FOUNDATION TYPE > Basement

(Delete) Structures Residential > Main Residence > FOUNDATION TYPE > Crawl Space

(Delete) Structures Residential > Main Residence > ROOFING > Shingle-Fiberglass

(Delete) Structures Residential > Main Residence > SIDING > Vinyl Siding

(Delete) Structures Residential > Main Residence > CONSTRUCTION TYPE > Frame

(Delete) Structures Residential > Main Residence > MAIN ENTRANCE > Foyer

(Delete) Structures Residential > Main Residence > ELECTRICITY > Electric Yes

(Delete) Structures Residential > Main Residence > ELECTRICITY > Elec Service Amp \* = 100

(Delete) Structures Residential > Main Residence > HEATING SYSTEM > Forced Air

(Delete) Structures Residential > Main Residence > HEATING SYSTEM > Zoned

(Delete) Structures Residential > Main Residence > HEATING FUEL > Electric

(Delete) Structures Residential > Main Residence > INSULATION > Ceiling Insulat \* = 12

(Delete) Structures Residential > Main Residence > INSULATION > Wall Insulation \* = 8

(Delete) Structures Residential > Main Residence > INSULATION > Floor Insulation \* = 12

(Delete) Structures Residential > Main Residence > ROOMS > Front Porch > INTERIOR DIMENSIONS > Interior

(Delete) Dimen \* = 12x12

InternetSearch.net/english/.../listing\_top.html?listing\_id=10

Star Back Forward Reload Home Search Netscape Print Speedy X-Style

510

FIG. 5B



od, System and Apparatus . . . Real Estate"  
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Wise, et.al.

Mod, System and Apparatus ... Real Esta'  
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Bookmarks Address Bar /www.listandsend.com/english\_exe/Listing/top-show\_listing\_item?listing\_id=1&category\_id=38 What's Related

**ListAndSend**

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[View All Property Listings](#) | [Create a New Listing](#) | [Delete a Listing](#) | [Edit Account Info](#) | [Help](#)

[Joe Smith](#) [Property Photograph](#)

75 Second Ave | Blg City, WV 99887

Current Category:

[Property](#) > [Structures Residential](#) > Main Residence

Sub-categories at this level:

<input type="checkbox"/> RESIDENTIAL STYLE	<input type="checkbox"/> COOLING FUEL	<input type="checkbox"/> ROOMS
<input type="checkbox"/> EXTERIOR DIMENSIONS	<input type="checkbox"/> POTABLE WATER INFO	<input type="checkbox"/> AMENITIES
<input type="checkbox"/> FOUNDATION TYPE	<input type="checkbox"/> HOT WATER	<input type="checkbox"/> DISCLOSURES
<input type="checkbox"/> ROOFING	<input type="checkbox"/> SEWER SEPTIC INFO	<input type="checkbox"/> DOCUMENTS
<input type="checkbox"/> SIDING	<input type="checkbox"/> UTILITY METERING	<input type="checkbox"/> OTHER EXPEN RESIDENTIAL
<input type="checkbox"/> CONSTRUCTION TYPE	<input type="checkbox"/> INSULATION	<input type="checkbox"/> TENANCY TYPE
<input type="checkbox"/> MAIN ENTRANCE	<input type="checkbox"/> PROPERTY CONDITION	<input type="checkbox"/> TENANTS RESPONSIBILITY

Documents Done

Start | [Icons] | Core Word | Inbox Mail | ListAndSend | Document2 | Document2 | 9:26 PM

FIG. 5D

Wise, et.al.

"Method, System and Apparatus ... Re  
Attorney Docket No. THREWI/P001A1

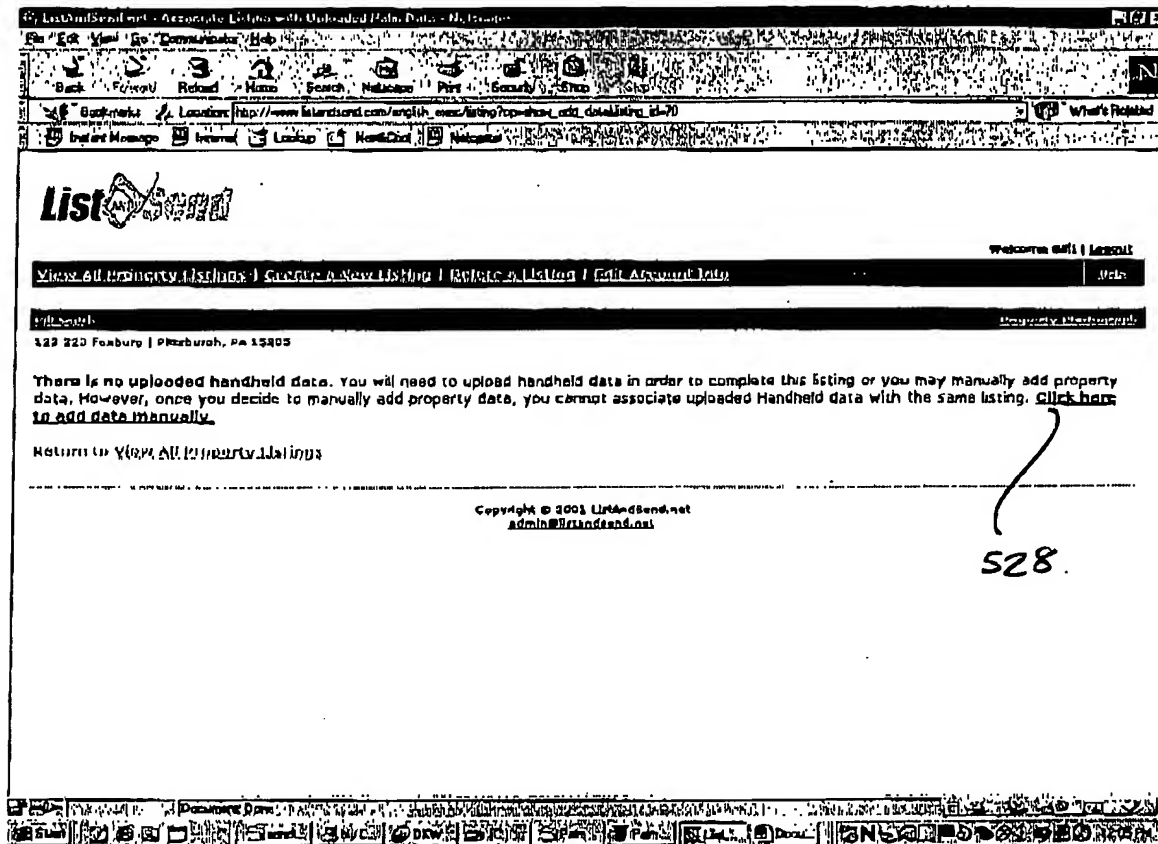


FIG. 5E

Wise, et.al.  
Method, System and Apparatus . . . Real E:  
Attorney Docket No. THREW/P001A1

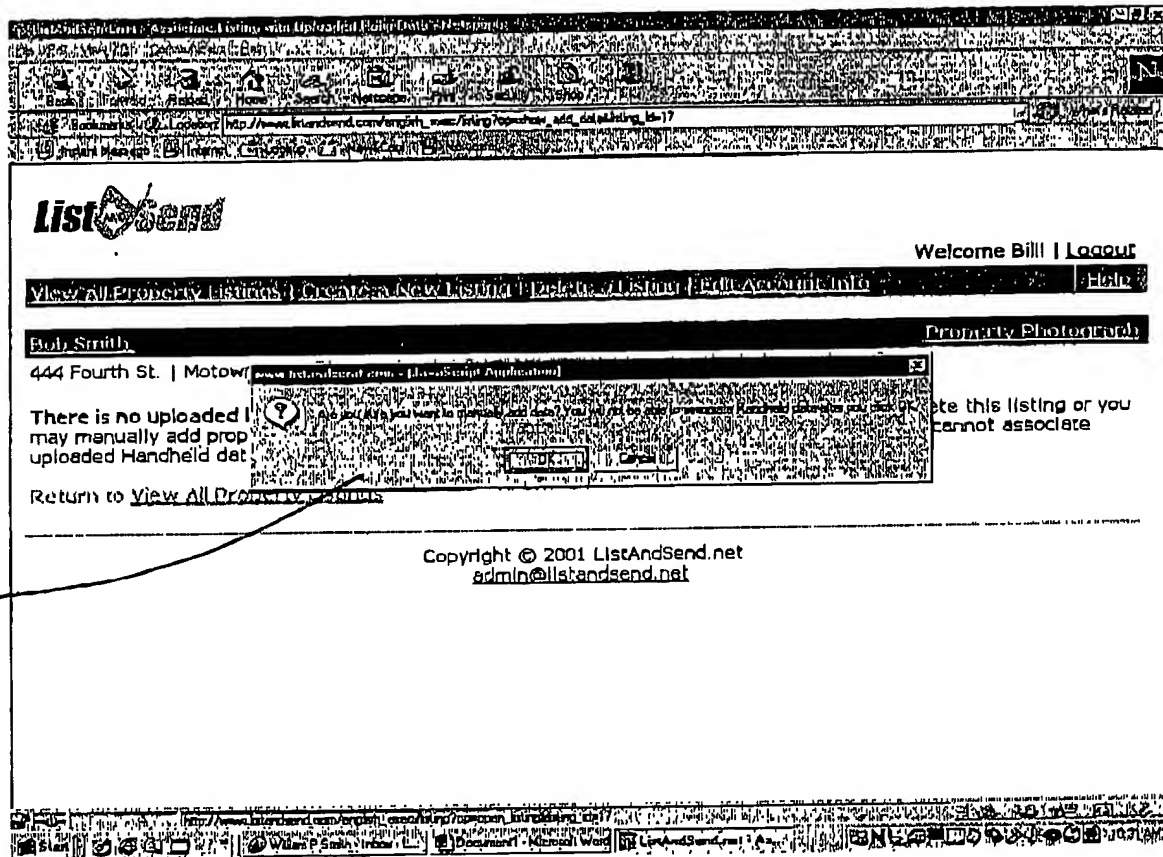


FIG. 5F

Wise, et.al.  
Method, System and Apparatus . . . Real Estate  
Attorney Docket No. THREW/P001A1

Internet Explorer - Edit Property Listing - Netscape

File Edit View Stop Window Help

Back Forward Reload Home Search Favorites Print Security

Bookmarks Location: //www.istandsend.com/english\_exec/listing?op=show\_listing\_item&listing\_id=15&category\_id=39

Please select an item(s) by selecting the appropriate checkbox (or radio button) and then clicking "Add Selected Items". The \* indicates that you must enter in a value for that item.

<input type="checkbox"/> Rancher	<input type="checkbox"/> Contemporary	<input type="checkbox"/> Raised Rancher
<input type="checkbox"/> 2-Story	<input type="checkbox"/> Victorian	<input type="checkbox"/> Art Deco
<input type="checkbox"/> Farm House	<input type="checkbox"/> A-Frame	<input type="checkbox"/> Dome
<input type="checkbox"/> Cape Cod	<input type="checkbox"/> Chalet	<input type="checkbox"/> Cottage
<input type="checkbox"/> Split Foyer	<input type="checkbox"/> Dutch Colonial	<input type="checkbox"/> Bungalow
<input type="checkbox"/> Split Level	<input type="checkbox"/> Gambrel Roof Barn Style	<input type="checkbox"/> International
<input type="checkbox"/> Shell-Chalet	<input type="checkbox"/> Rambler	<input type="checkbox"/> Provincial
<input type="checkbox"/> Shell-Ranch	<input type="checkbox"/> Raised Rambler	<input type="checkbox"/> Beaux Arts
<input type="checkbox"/> Log Home	<input type="checkbox"/> Bi Level	<input type="checkbox"/> Spanish
<input type="checkbox"/> Tudor	<input type="checkbox"/> Tri-Level	<input type="checkbox"/> Other *
<input type="checkbox"/> Restored Barn	<input type="checkbox"/> Federal	
<input type="checkbox"/> Contemporary Ranch	<input type="checkbox"/> Colonial	

Add Selected Items

Document Done

Start Corel Internet Explorer

514

516

520

FIG. 5G

Wise, et.al.

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Attorney Docket No. THREW/P001A1

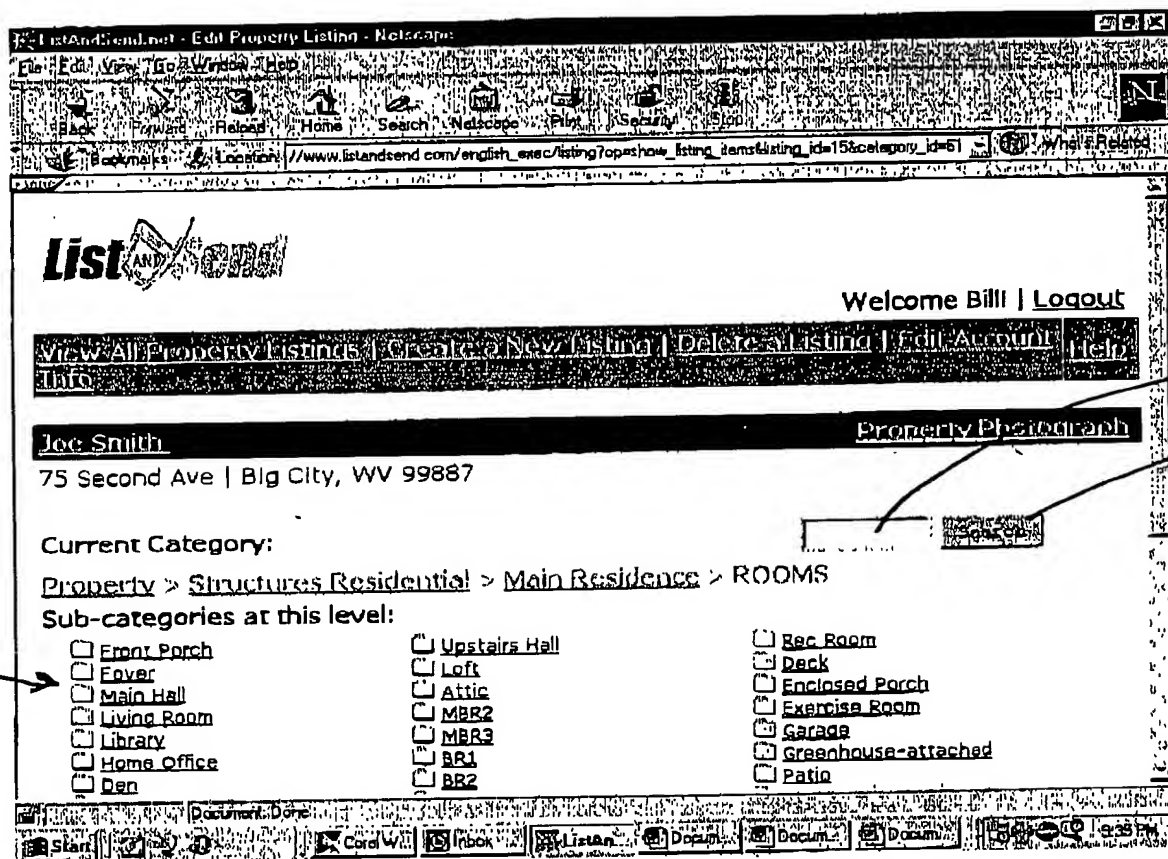


FIG. 5H

Wise, et.al.

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Attorney Docket No. THREW/P001A1

**List2Send**

Welcome Bill! | [Logout](#)

[View All Property Listings](#) | [Create a New Listing](#) | [Delete a Listing](#) | [Edit Account Info](#) | [Help](#)

**Joe Smith** [Property Photograph](#)

75 Second Ave | Big City, WV 99887

**Current Category:**  
[Property](#) > [Structures Residential](#) > [Main Residence](#) > [Rooms](#) > [Bedroom-Fourth](#)

Please select an item(s) by selecting the appropriate checkbox (or radio button) and then clicking \*Add Selected Items\*. The \* indicates that you must enter in a value for that item.

<input type="checkbox"/> Dimensions Length	<input type="checkbox"/> Flooring Carpet	<input type="checkbox"/> Flooring Other
<input type="checkbox"/> Dimensions Width	<input type="checkbox"/> Flooring Wood under carpet	<input type="checkbox"/> Fireplaces Wood Burning
<input type="checkbox"/> Level Main	<input type="checkbox"/> Flooring Vinyl under carpet	<input type="checkbox"/> Fireplaces Wood Stove
<input type="checkbox"/> Level Upper 1	<input type="checkbox"/> Flooring Wood	<input type="checkbox"/> Fireplaces Gas
<input type="checkbox"/> Level Upper 2	<input type="checkbox"/> Flooring Vinyl	<input type="checkbox"/> Fireplaces Pellet Burning
<input type="checkbox"/> Level Upper 3	<input type="checkbox"/> Flooring Ceramic Tile	<input type="checkbox"/> Fireplaces Decorative
<input type="checkbox"/> Level Lower 1	<input type="checkbox"/> Flooring Marble	
<input type="checkbox"/> Level Lower 2	<input type="checkbox"/> Flooring Area Rm Size Rug	

512 points to the 'Current Category' breadcrumb trail.  
 514 points to the 'Level' section checkboxes.  
 532 points to the 'Property Photograph' link.  
 534 points to the 'Add Selected Items' button.

FIG. 51

Wise, et al.  
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File Edit View Favorites Tools Help

Address: http://www.listandsend.com/english\_usc/beingtopshow\_bing.html?listing\_id=1&category\_id=128

Welcome Bill | Logout

View All Property Listings | Create a New Listing | Delete a Listing | Edit Account Info

Joe Smith

75 Second Ave | Big City, WV 99887

Current Category:

Property > Structures Residential > Main Residence > Rooms > Kitchen > Appliances

Please select an item(s) by selecting the appropriate checkbox (or radio button) and then clicking "Add Selected Items". The \* indicates that you must enter in a value for that item.

<input type="checkbox"/> Oven/Range - Elec.	<input type="checkbox"/> Microwave	<input type="checkbox"/> Instant hot water
<input type="checkbox"/> Oven/Range - Gas	<input type="checkbox"/> Six burner stove	<input type="checkbox"/> Exhaust Fan
<input type="checkbox"/> Oven-self-cleaning/continuous	<input type="checkbox"/> Refrigerator	<input type="checkbox"/> Trash Compactor
<input type="checkbox"/> Oven - Wall	<input type="checkbox"/> Ice maker	<input type="checkbox"/> Washer
<input type="checkbox"/> Oven - Double	<input type="checkbox"/> Freezer	<input type="checkbox"/> Dryer
<input type="checkbox"/> Range hood	<input type="checkbox"/> Extra Refrigerator/Freezer	<input type="checkbox"/> Humidifier
<input type="checkbox"/> Cooktop	<input type="checkbox"/> Dishwasher	<input type="checkbox"/> Intercom
<input type="checkbox"/> Stove	<input type="checkbox"/> Disposal	<input type="checkbox"/> Other
<input type="checkbox"/> Cooktop - Down Draft	<input type="checkbox"/> Water dispenser	

Items Selected for Appliances

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FIG. 5J



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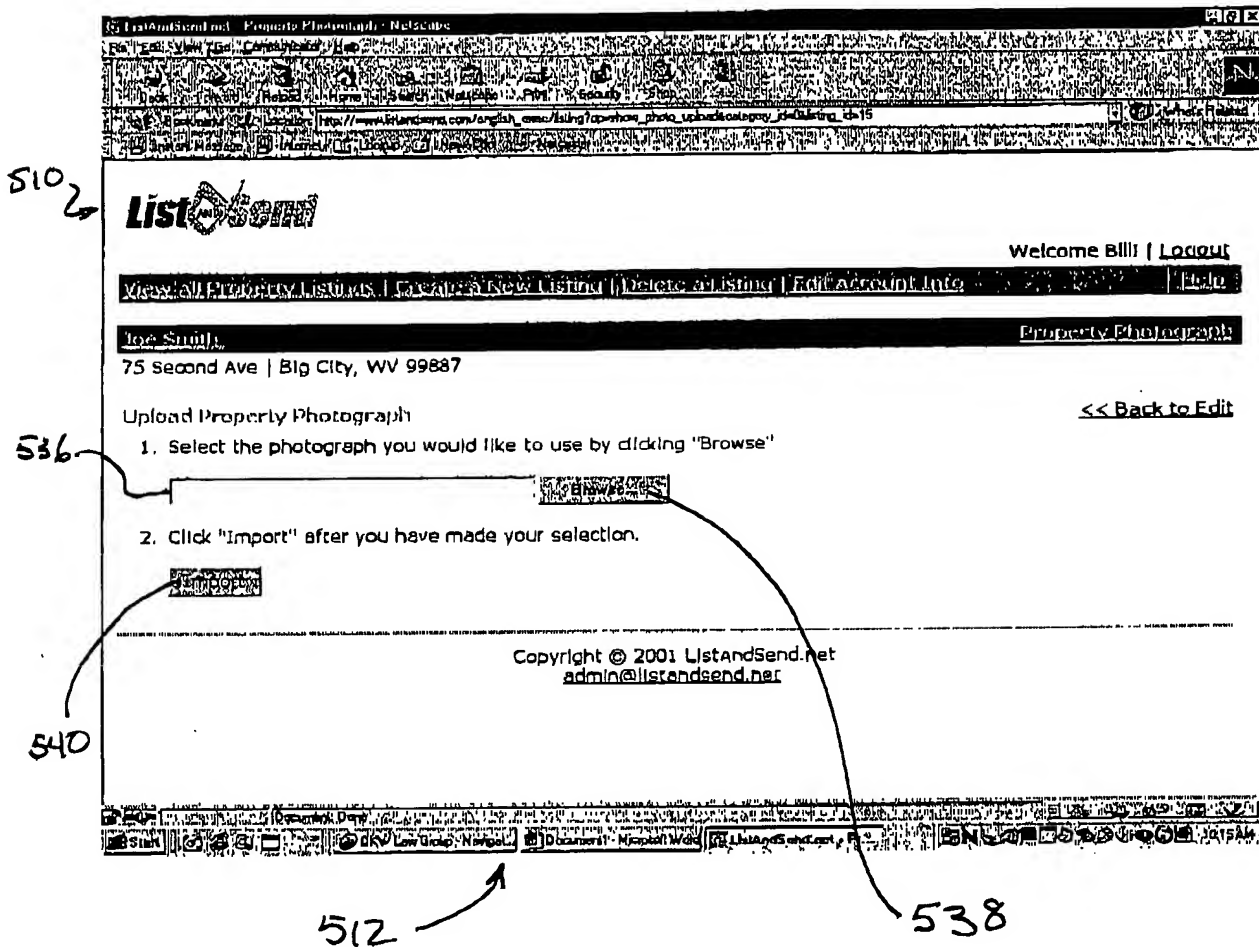


FIG. 5K

Wise, et.al.

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FileEditViewHelpCommentsHelp

BackForwardStopSearchPrintHome

http://www.listandsend.com/length\_cms/ListingAgent.asp

What's New?

List & Send

Welcome Bill | Logout

View All Property Listings | Create a New Listing | Referrals | Listing | Edit Account Info | Help

Edit Your Account Information

First Name *	Middle Initial	Last Name *
Bill		Smith
Mailing Address 1 *	Mailing Address 2	
123		
City *	State *	Zip Code *
Brooklyn	NY	11201
Daytime (Work) Phone Number*	Evening Phone Number	Cell Phone Number
800-894-8081		
Daytime Fax Number	Evening Fax Number	
Email address *	Web site URL	
billsmith@kew.com		
MLS ID *	Brokerage ID *	Board ID
MRIS	Keseecker Realty	EPBOR
Broker? *	Agent? *	
Yes	No	

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**Figure 6**  
**Hierarchical organization and addressing of data**

	<u>Address</u>	<u>Concept</u>	<u>Hierarchy</u>
	1.0	Barn	
	2.0	Shed	
12--	3.0	House	House
	3.1	Porch	
	3.2	Room	House > Room
	3.3	Foundation	
12a-	3.2.1	Kitchen	House > Room > Kitchen
	3.2.2	Master Bedroom	
	3.2.3	Living Room	
12b-	3.2.1.1	Dimensions	House > Room > Kitchen > Appliances
	3.2.1.2	Appliances	
12c-	3.2.1.2.1	Range-top	House > Room > Kitchen > Appliances > Range
	3.2.1.2.2	Refrigerator	
	3.2.1.2.1.1	Range - Gas40	House > Room > Kitchen > Appliances > Range

The above example shows one possibility for numerical addressing. Other possible means of addressing include any sequence of characters that have logical order. Some examples are:

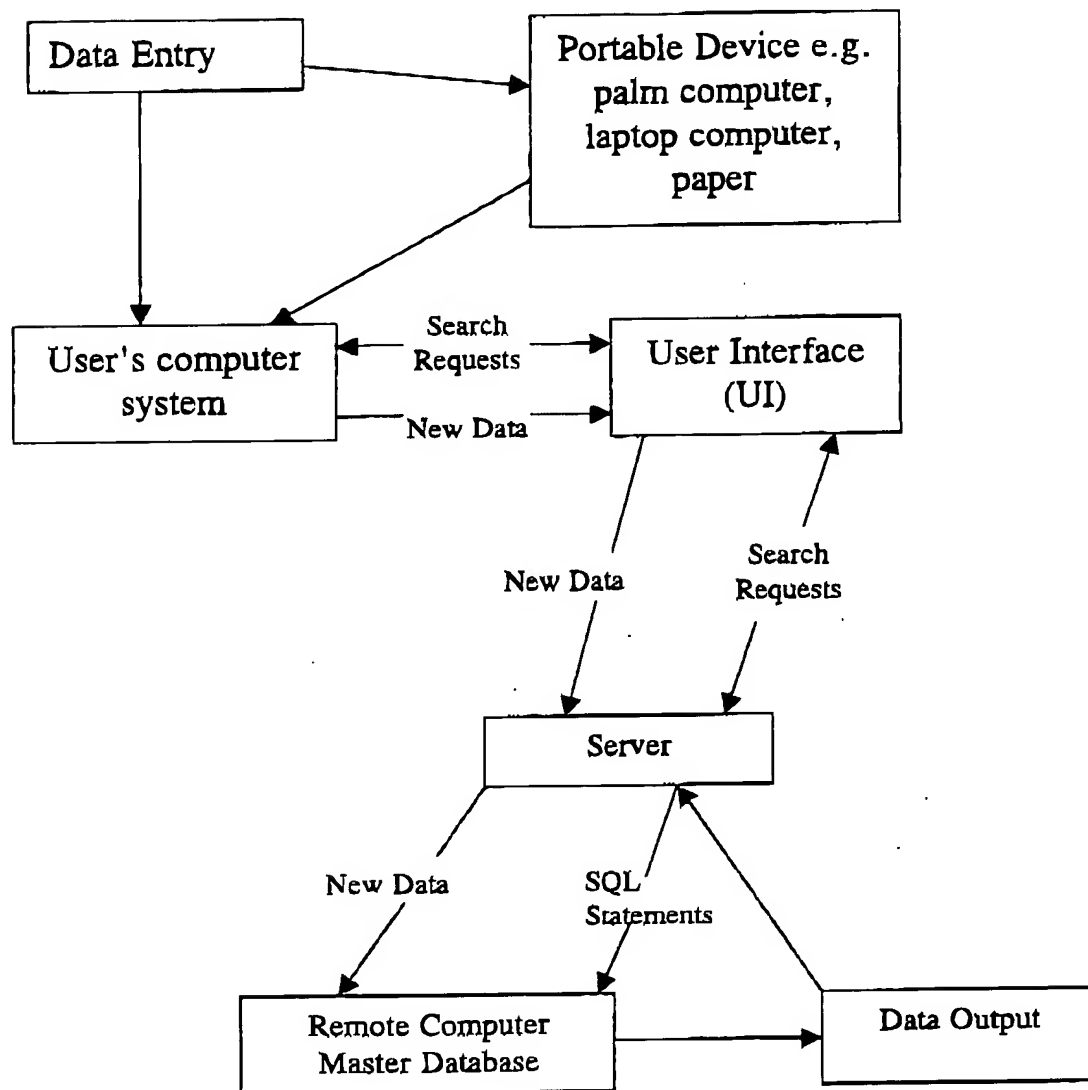
2.4.5.7.1

24571

BKJRT

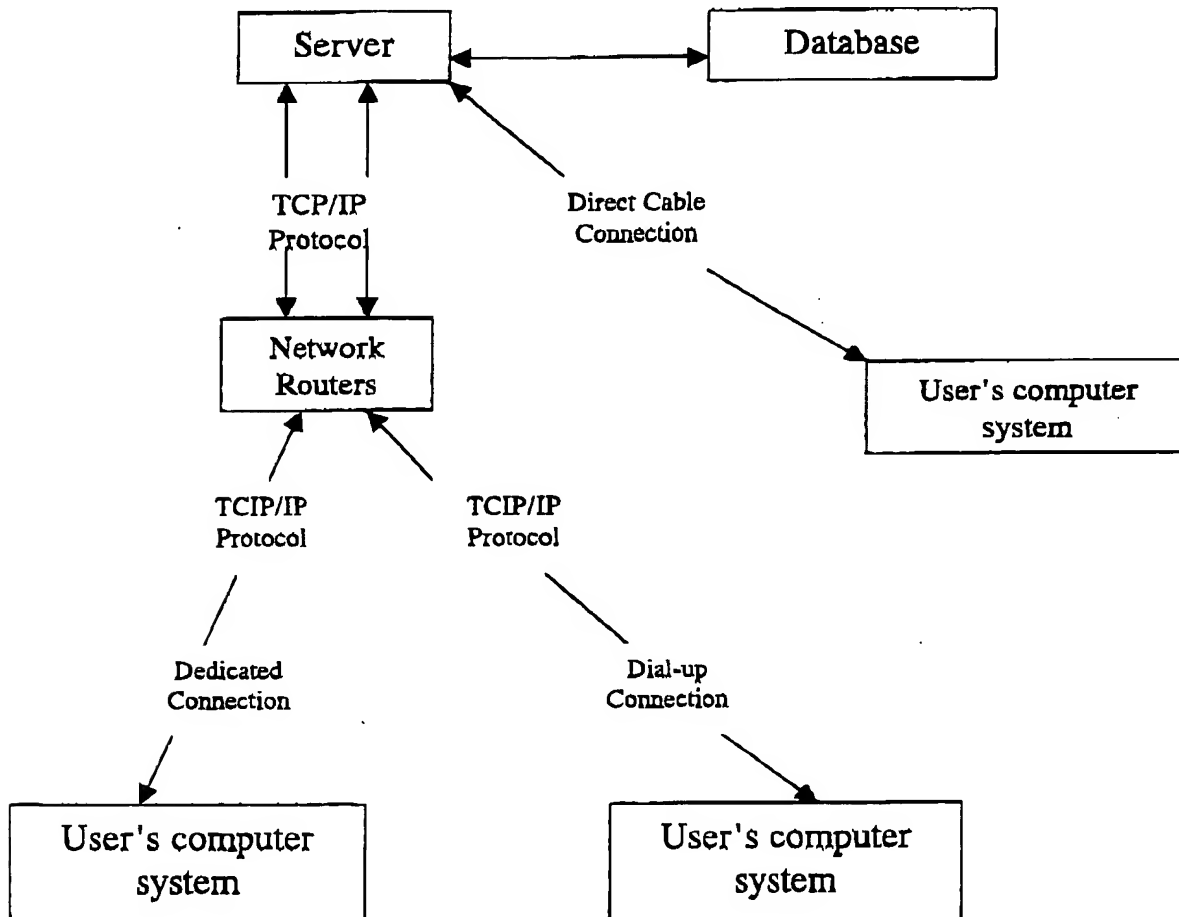
1, A, S, T, 3

**Figure 7**  
**Possible organization of computer system using remote server**



Note: for systems with local storage of the Database, the User Interface would interact directly with the database and the Server would not exist.

**Figure 8**  
**Possible organizations of ASP (Application Service Provider) systems**



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**Figure 9**  
 Search methods possible with hierarchical addressing

**Data Sample**

**Search Request**

**Methodology**

11	Main Residence
1112	Kitchen
1113	Living Room
111312	Fireplace

Find the number of rooms in residence.

Read address field to count occurrences of four digit address beginning with "11"

A11	Main Residence
A1112	Kitchen
A1113	Living Room
B11	Main Residence
B1112	Kitchen
B12	Detached Garage
B1211	Workshop
B13	Gazebo

Find the number of properties with detached garage.

Group data by property ID (1st character of address), count occurrences of "12" in second two digits of address

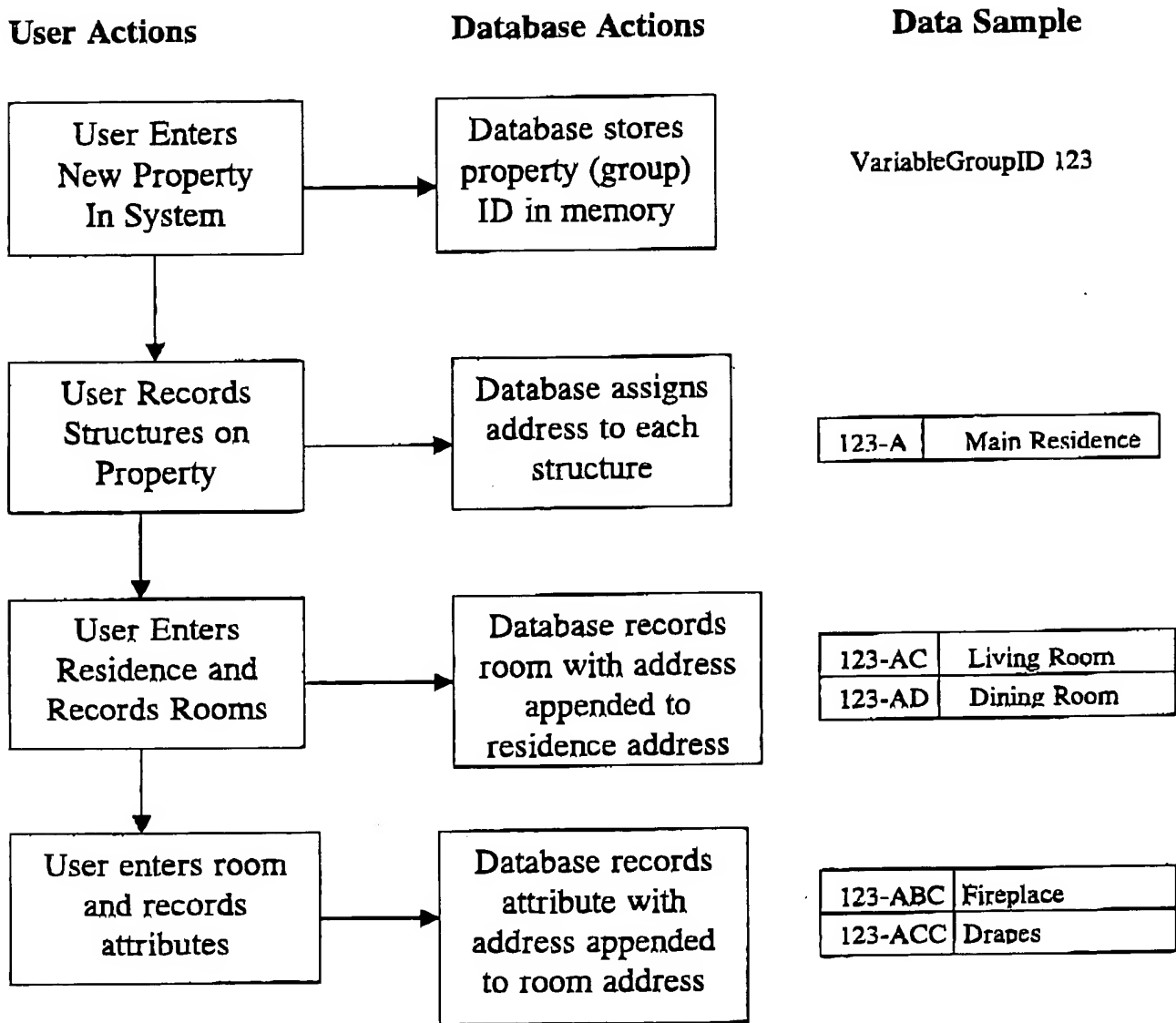
268.A	Residence
268.AC	Kitchen
268.AB	Living Room
268.ACG	Oven Gas
268.ACB	Refrigerator
268.ACD	Ice Maker In-door
268.ABA	Fireplace
268.ABF	Drapes

Find the type of oven in property 268.

Search for address "268.ACG", read contents of feature field

Address

**Figure 10**  
**Assignment of addresses and record group (property) ID**  
**Using example of realty industry**



This figure uses alphabetical addressing. Numerical addressing or a combination of alphabetical and numerical can also be used. The group ID may also be stored in a field separate from the address. See Figure 5 for samples of numerical addressing with separate group ID.